

ABSTRACT OF THE DISCLOSURE

Each network device connected to a network  
broadcasts a cold start trap when activated. A  
5 monitoring device captures this trap and checks whether  
the trap is an SNMP packet. If the trap is an SNMP  
packet, the monitoring device extracts the address from  
the received packet and registers the address in a  
directory server, or requests the status of a device as  
10 a transmission source and registers the received status  
in the directory server.